

DA Series Miniature Single Pole Rocker Switches

Features/Benefits

- Nice actuator styling with multiple options
- Guards to prevent accidental actuation
- Momentary and maintained functions
- IP65 splash proof rubber boot option
- RoHS compliant



Typical Applications

- Small appliances
- Computers and peripherals
- Medical instrumentation



Specifications

CONTACT RATING:

UL/CSA: 16 AMPS @ 125 VAC, 1/3 HP;
10 AMPS @ 250 VAC, 1/2 HP.
VDE: 10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC.

ELECTRICAL LIFE: 10,000 make and break cycles at full load.

INSULATION RESISTANCE: $10^8 \Omega$ min.

DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.

OPERATING TEMPERATURE: -20°C to +85°C

Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

END CONTACTS: Silver plated $AgSnO_2InO_3$.

ALL TERMINALS: Silver plated, copper alloy.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages H-58 through H-60. For additional options not shown in catalog, consult Customer Service Center.

Switch Function													Actuator										
DA101 SPDT On-None-On													J1 Rocker										
DA102 SPST On-None-Off													J2 Two-tone rocker										
DA103 SPDT On-Off-On													J3 Illuminated rocker										
DA12 * SPST On-None-Off													J4 Circle, illuminated rocker										
													J5 Oval, illuminated rocker										
Actuator Color													Mounting Style/Color										
1-5 See Chart on Page H-59													S2 Snap-in, black										
R Red, illuminated													S1 Snap-in, white										
A Amber, illuminated													B2 Recessed snap-in bracket, black										
G Green, illuminated													G2 Guard, black										
Termination													Actuator Marking										
15 .187" quick connect													(NONE) No marking										
17 Solder lug													D ON-OFF										
02 Thru-hole													H "O I" - international ON-OFF										
A Right angle													N Large dot										
													P "O -" international ON-OFF										
Contact Rating													Lamp Rating										
QF Silver													(NONE) No lamp										
													6 LED										
													7 125 VAC neon										
													8 250 VAC neon										

* DA12 — for switches with both marking and illumination

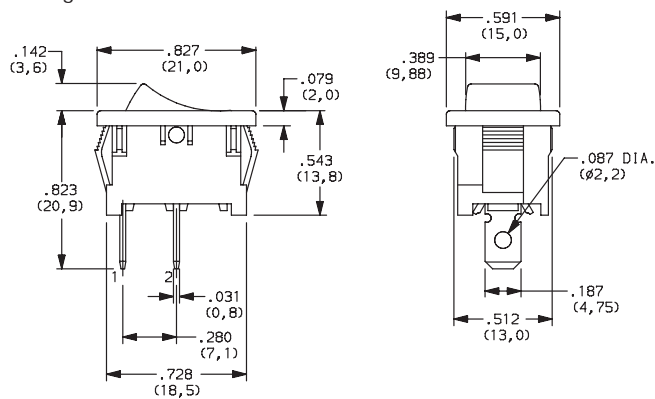


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SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
SP	DA101	ON	NONE	ON	2-3	N/A	2-1	
	DA102	ON	NONE	OFF				
	DA103	ON	OFF	ON				
	DA12 *	ON	NONE	OFF				

* DA12 - for switches with both marking and illumination

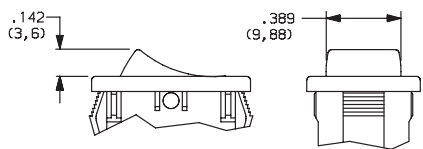


Shown in Pos. 1

ACTUATOR

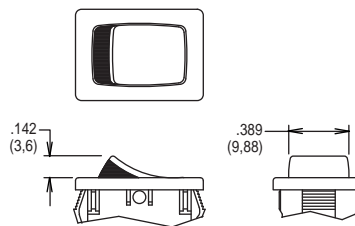
J1 ROCKER

J3 ILLUMINATED ROCKER

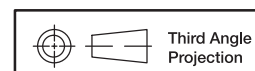


NOTE: J3 actuator available with DA102 & DA12 switch functions, 7&8 lamp ratings and not available with O2 and A termination options.

J2 TWO-TONE ROCKER



NOTE: Available with DA102 switch function and P actuator marking only.



Third Angle Projection

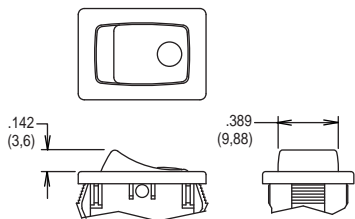
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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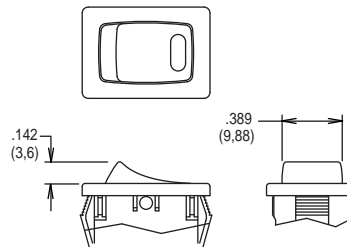
ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER



NOTE: Available with DA102 switch function and 7 & 8 lamp ratings only. Not available with O2 and A termination options.

J5 OVAL, ILLUMINATED ROCKER



NOTE: Available with DA102 switch function and 6 lamp rating only. Not available with O2 and A termination options.

ACTUATOR COLOR

	OPTION CODE	ACTUATOR COLOR
For J1 only	2	BLACK
	1	WHITE
	3	RED
For J3, J4, J5 only	R	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

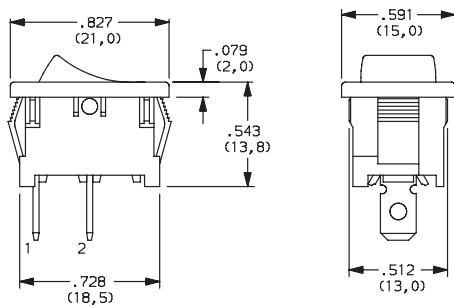
OPTION CODE	ACTUATOR COLOR	
	TOP	BOTTOM
1	WHITE	RED
2	WHITE	BLACK
3	RED	WHITE
4	BLACK	WHITE
5	BLACK	RED

J2 actuator only

MOUNTING STYLE/COLOR

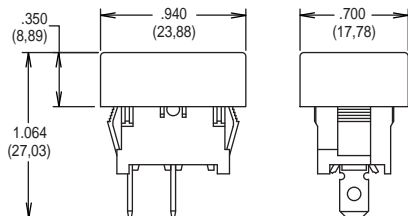
S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE



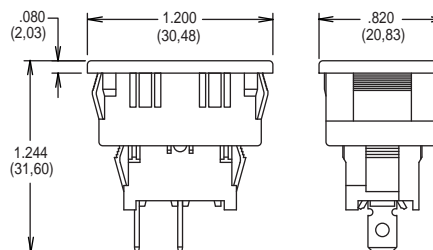
Actuator shown in Pos. 1

G2 GUARD, BLACK



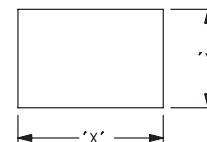
NOTE: Available with DA10X switch functions only.

B2 RECESSED SNAP-IN BRACKET, BLACK



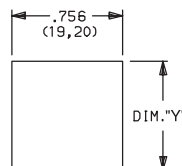
NOTE: Available with DA10X switch functions only.

S2, S1 & G2 PANEL MOUNTING



PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	0.756-.004 (19,2-0,1)	0.512+.004 (13,0+0,1)
0.049-0.079 (1,25-2,0)	0.764-.004 (19,4-0,1)	0.512+.004 (13,0+0,1)
0.079-0.118 (2,0-3,0)	0.779-.004 (19,8-0,1)	0.512+.004 (13,0+0,1)

B2 PANEL MOUNTING



PANEL THICKNESS	"Y"
0.030-0.049 (0,75-0,25)	1.068 (27,13)
0.049-0.079 (1,25-2,0)	1.076 (27,33)
0.079-0.118 (2,0-3,0)	1.092 (27,74)



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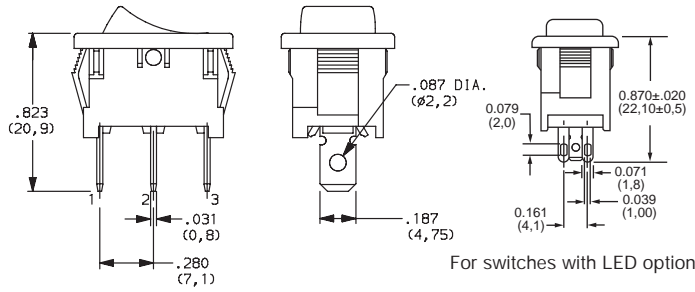


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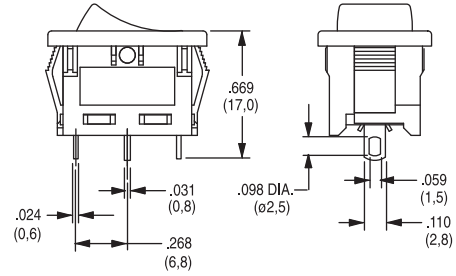
TERMINATION



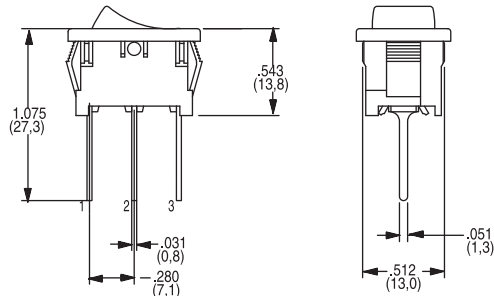
15 .187" QUICK CONNECT



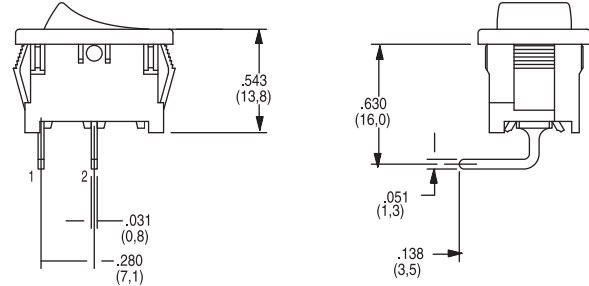
17 SOLDER LUG



02* THRU-HOLE



A* RIGHT ANGLE



* NOTE - O2 and A termination options not offered with J3, J4 or J5 actuator options.

ACTUATOR MARKING



NONE NO MARKING



D ON-OFF



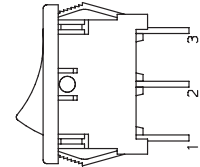
H O I



N LARGE DOT



P O -



All models shown in Pos. 1

NOTE: Orientation of actuator marking and terminals.

CONTACT MATERIAL



OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QF	SILVER	POWER	16 AMPS @ 125 VAC; 1/3 HP; 10 AMPS @ 250 VAC; 1/2 (UL/CSA). 10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC (VDE)

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

LAMP RATING



(NONE) NO LAMP

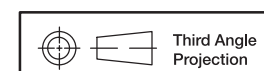
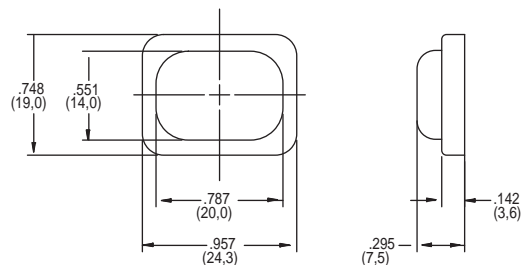
6 LED RATING @ 10 mA $V_f=1.85V$

7 125 VAC 33kΩ NEON

8 250 VAC 150kΩ NEON

ACCESSORIES

216C00000 IP65 SPLASH PROOF RUBBER BOOT



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